Full Network Model (FNM) Monthly Effort Management

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Agenda

- Highlight the variability in CIM Modeling effort and planning challenges
- Identify "win-win" scenarios for balancing the CIM modeling effort between CAISO and the CIM model entities

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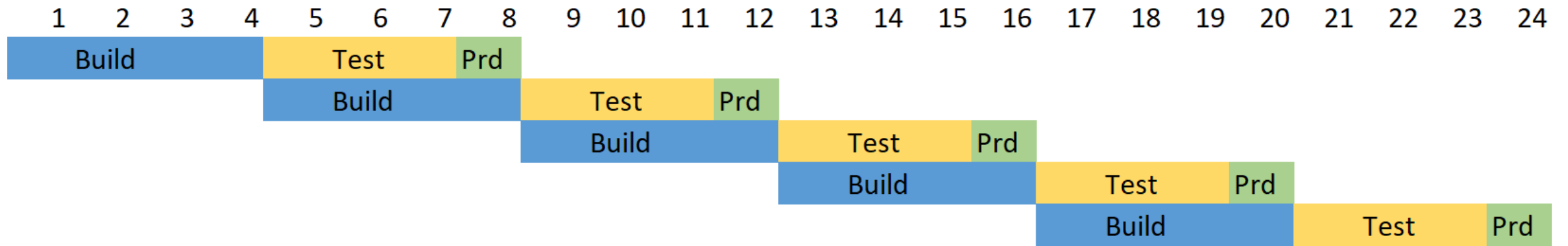
Quarterly to Monthly Model Transition
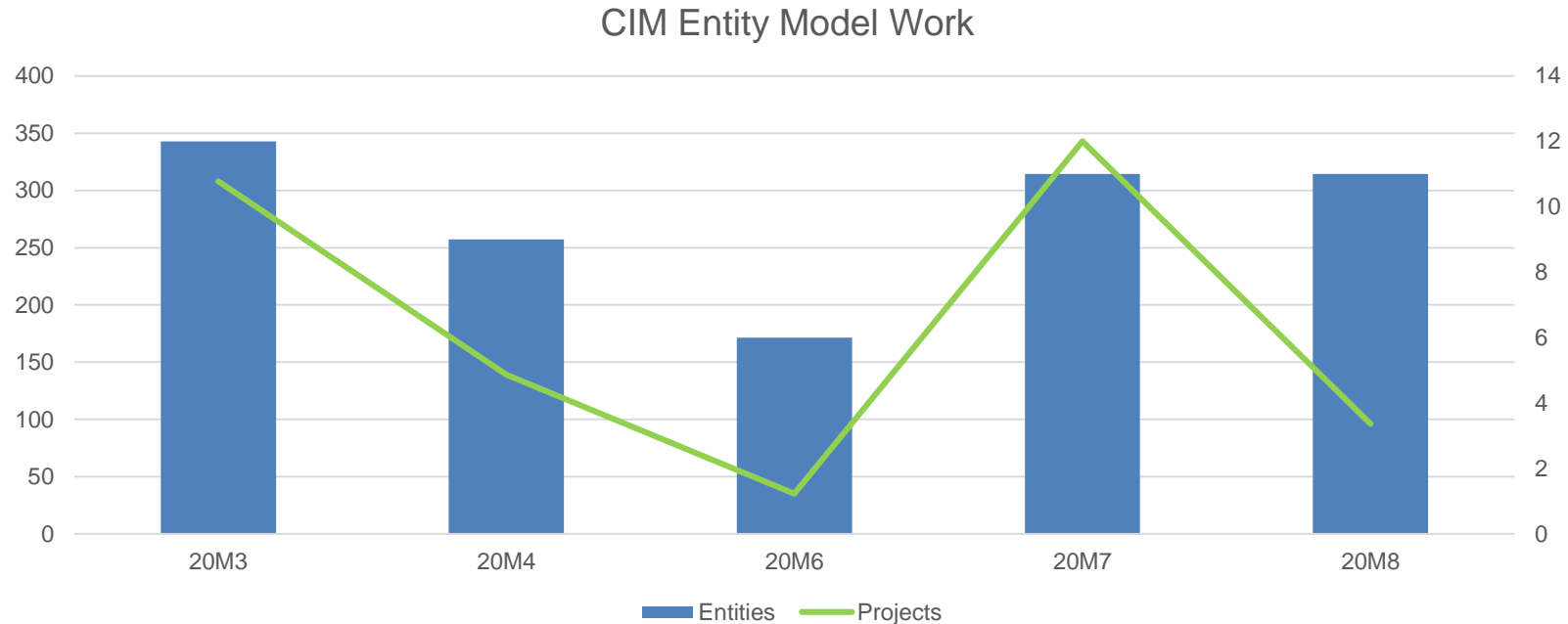
- The monthly model schedule has been implemented in 2020

http://www.caiso.com/Documents/FullNetworkModelSchedule2020ISO.pdf

FNM Label	Customer Model Document Submission Deadline	ISO Publishes Final Scope	Production Deployment
20M3_DB94	N/A[1]	N/A[1]	Week of 3/16/2020
20M4_DB95	2/14/2020	2/21/2020	Week of 4/20/2020
20M6_DB96	2/28/2020	3/20/2020	Week of 6/1/2020
20M7_DB97	4/17/2020	5/8/2020	Week of 7/6/2020
20M8_DB98	5/22/2020	6/12/2020	Week of 8/10/2020
20M9_DB99	6/26/2020	7/17/2020	Week of 9/14/2020
20M10_DB100	7/31/2020	8/21/2020	Week of 10/19/2020
20M12_DB101	9/11/2020	10/2/2020	Week of 12/7/2020

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Monthly Model Implementation Process

Monthly Model Experience

CIM Entity Model Work

Observations:
- All entities are submitting CIM files whereas the total number of changes are less
- There is variability in the number of CIM entities submitting the files in each model
- There exist peaks and valleys in the number of changes being implemented in each model
- Additional CIM entities are being on-boarded

Discussion Topics

- CIM Modeling is a newer technology and CAISO and the CIM entities are at the cutting edge of this new way of modeling

- The peaks and valleys in the scope projects present interesting challenges in managing the effort

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Questions

- Do the entities anticipate CIM model submission every model?
- Do the entities feel an obligation to provide a CIM model in every model cycle?
- Variability in the scope creates planning challenges:
  - Valley efforts represent wasted time and inefficiencies
  - Peak efforts represent potential delays in the model deployment
  - Are there possibilities to schedule CIM model submissions from entities in such a way to balance the effort and remove inefficiencies from the Western Interconnection Model upgrades?

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